

ABSTRACT OF THE DISCLOSURE

A relief cylinder structure for guiding a roll in a multinip calender has a frame and an arm that is arranged to move linearly in relation to the frame. A quick-opening cylinder is placed inside the arm. In a fault situation, the relief cylinder causes the
5 cylinder rolls to move rapidly further away from each other. An auxiliary coupling 8 opens in a fault situation, wherein the pressure produced in the quick-opening cylinder 6 is discharged to a hydraulic system in a substantially non-pressurized state. The pressure of the quick-opening cylinder 6 is thus reduced below the pressure of the main cylinder 4, wherein the auxiliary piston 7 moves towards the
10 end of the arm 3. Because the volume of the main cylinder 4 grows in accordance with the cylindrical space formed inside the arm 3, the volume restricted by the frame 2 of the relief cylinder 1 is reduced.